

IN THE CLAIMS:

1. (Currently amended) A polymer bushing ~~comprising which includes~~
a hard insulation sleeve ~~surrounding which has a~~ central conductor ~~draw-out bar~~
~~centrally and having a~~ receiving port for a cable terminal at a lower end ~~part thereof,~~
an electrical-field stress-control layer surrounding the insulation sleeve, and
~~_____ a polymer clad body which is disposed around an outer periphery of the stress-~~
~~control layer insulation sleeve and having which is formed with a plurality~~ large number of
longitudinally spaced shades ~~on~~ at its own outer periphery in a manner to be spaced
from one another in its longitudinal direction, wherein
~~_____ an electric-field stress-control layer is provided on an interface between the~~
~~insulation sleeve and the polymer clad body.~~

2. (Currently amended) A polymer bushing ~~comprising which includes~~
~~_____ a hard insulation sleeve surrounding which has a~~ central conductor ~~draw-out bar~~
~~centrally and having a~~ receiving port for a cable terminal at a lower end ~~part thereof,~~
an electrical-field stress-control layer surrounding the insulation sleeve, and
~~_____ a polymer clad body which is disposed around an outer periphery of the stress-~~
~~control layer insulation sleeve and having a plurality which is formed with a large number~~
of longitudinally spaced shades ~~on~~ at its own outer periphery in a manner to be spaced
from one another in its longitudinal direction, and wherein
the receiving port is ~~provided~~ at a position lower than the polymer clad body, and
~~_____ an electric-field stress-control layer is provided on an interface between the~~
~~insulation sleeve and the polymer clad body.~~

3. (Canceled)

4. (Currently amended) A polymer bushing comprising: which includes
a hard insulation sleeve surrounding which has a central conductor draw-out bar
centrally and having a receiving port for a cable terminal at a lower end part thereof,
an electrical-field stress-control layer surrounding the insulation sleeve,
and a polymer clad body which is disposed around an outer periphery of the
stress-control layer insulation sleeve and having a plurality which is formed with a large
number of longitudinally spaced shades on at its own outer periphery in a manner to be
spaced from one another in its longitudinal direction, and wherein

an annular metal fitting is disposed concentrically with the conductor draw-out
bar at a position lower than the insulation sleeve,

wherein the polymer clad body is disposed at a position higher than the metal
fitting,

wherein the receiving port is provided at a position lower than the metal fitting,
and

wherein the an electric-field stress-control layer is in contact with the annular
metal fitting provided so as to extend from an upper end part of the metal fitting to a
distal end part of the conductor draw-out bar.

5. (Currently amended) A polymer bushing as defined in claim 4, wherein the
metal fitting is ~~constructed of an embedment metal fitting~~ for electric-field mitigation
and as is embedded and fixed at the position lower than the insulation sleeve.

6. (Currently Amended) A polymer bushing as defined in claim ~~4~~4, wherein the electric-field stress-control layer is ~~constructed of~~ a zinc oxide layer or a high permittivity layer.

7. (Currently Amended) A polymer bushing as defined in claim ~~4~~4, wherein the insulation sleeve is disposed integrally with an outer periphery of the conductor ~~draw-~~
out bar.

8. (Currently Amended) A polymer bushing as defined in claim ~~4~~4 bent at a position intermediate its ends, wherein ~~a bend is provided~~.

9. (Currently Amended) A cable termination comprising wherein a cable terminal ~~portion is~~ mounted in the receiving port of the polymer bushing as defined in claim ~~4~~4.

10. (New) A polymer bushing comprising:
a hard insulation sleeve surrounding a central conductor bar and having a receiving port for a cable terminal at a lower end thereof,
an electrical-field stress-control layer surrounding the insulation sleeve,
a polymer clad body disposed around an outer periphery of the stress-control layer and having a plurality of longitudinally spaced shades on its outer periphery,
an annular metal fitting disposed concentrically with the conductor bar at a position lower than the insulation sleeve, and
a high tension connection at a lower end of the insulation sleeve,
wherein the polymer clad body is disposed at a position higher than the metal

fitting,

wherein the receiving port is provided at a position lower than the metal fitting,

and

wherein the electric-field stress-control layer is in contact with the annular metal fitting.

11. (New) A polymer bushing as defined in claim 10, wherein the metal fitting for electric-field mitigation and is embedded and fixed at the position lower than the insulation sleeve.

12. (New) A polymer bushing as defined in claim 10, wherein the electric-field stress-control layer is a zinc oxide layer or a high permittivity layer.

13. (New) A polymer bushing as defined in claim 10, wherein the insulation a sleeve is disposed integrally with an outer periphery of the conductor bar.

14. (New) A polymer bushing as defined in claim 10, bent at a position intermediate its ends.

15. (New) A polymer bushing as defined in claim 14 bent at 90°.

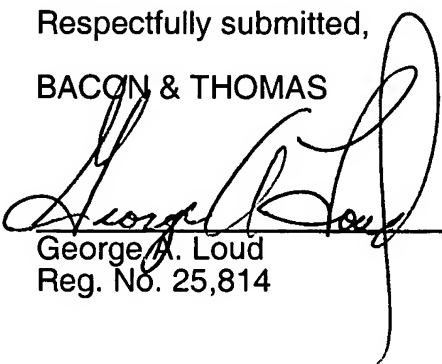
16. (New) A polymer bushing as defined in claim 14, bent at 100-150°.

17. (New) A polymer bushing as defined in claim 8 bent at 90°.

18. (New) A polymer bushing as defined in claim 8, bent at 100-150°.

Respectfully submitted,

BACON & THOMAS



George A. Loud
Reg. No. 25,814

June 27, 2006

Date

Atty Dkt: ADAC3006

Customer Number 23364
Bacon & Thomas, PLLC
625 Slaters Lane, Fourth Floor
Alexandria, VA 22314
(703) 683-0500